5.7 ERROR CODES

An error code will be displayed when the NPB-290 detects a non-correctable failure. When this occurs, the unit will stop monitoring, sound a low priority alarm that cannot be silenced, clear patient data from the display, and display an error code. Error codes will be displayed with EEE in the saturation display and the number of the code in the pulse rate display, i.e., EEE 1. Table 5-7 provides a complete list of error codes and possible solutions. Cycling the power will clear the code and allow the instrument to function normally if no other errors are detected.

Table 5-7: Error Codes

Code	Meaning	Possible Solutions
1	POST failure	Replace User Interface PCB. Refer to paragraph 6.11.
4	Battery dead	1. Check the voltage selector switch. Refer to the N-290 Operator's manual. 2. Charge battery for 14 hours. Refer to paragraph 3.3.1. 3. Leads of battery reversed. Refer to paragraph 6.6. 4. Replace battery. Refer to paragraph 6.6.
5	Too many microprocessor resets within a period of time	1. Cycle power to clear error 2. Replace User Interface PCB. Refer to paragraph 6.11. 3. Replace Power Supply PCB. Refer to paragraph 6.8.
6	Boot CRC error	1. Cycle power to clear error 2. Replace User Interface PCB. Refer to paragraph 6.11.
7	Error on User Interface PCB	1. Cycle power to clear error. 2. Check voltage selector switch for proper setting. 3. Replace User Interface PCB. Refer to paragraph 6.11.
11	Flash ROM corruption	1. Cycle power to clear error 2. Replace User Interface PCB. Refer to paragraph 6.11.
52	Institutional default values lost and reset to factory default values	1. Cycle power to clear error 2. Replace User Interface PCB. Refer to paragraph 6.11.
76	Error accessing EEPROM	1. Cycle power to clear error 2. Replace User Interface PCB. Refer to paragraph 6.11.
80	Institutional default values lost and reset to factory default values	1. Cycle power to clear error 2. Replace User Interface PCB. Refer to paragraph 6.11.

Table 5-7: Error Codes

Code	Meaning	Possible Solutions
82	Time clock lost	1. Reset time clock 2. Battery power lost, check the battery. Refer to paragraph 3.3.3.1.7. 3. Replace the Power Supply. Refer to paragraph 6.8.
84	Internal communications error	1. Cycle power to clear error 2. Replace User Interface PCB. Refer to paragraph 6.11.